FTI-CDP1: Vehicle Coverage and Preparation Notes

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Make	Model	Year	Install	CAN	Lights	IGN	Hood	I/O Changes
DL-CH7 RAM	1500 Classic PTS Diesel	2019-22	Type 2	CJB	**Park / Auto** Type B	BCM	BCM	**Green White/Blue**

Firmware: Covered vehicles use either **BLADE-AL(DL)-CH7**, confirm application, flash module, and update the controller firmware before installing.

Install: Type 2 vehicles use the included CAN extension cable to source CAN data from the green CAN junction block (left side of the dash) or from the BCM (pin#25, CANH, *brown*, pin #26, CANL, *yellow*).

Lighting: Type B parking lights use the 10-pin connector, secure unused 6-pin connector for safety.

Ignition: Common ignition provisions are listed in the BLADE diagram, ignition is also available at the vehicle BCM (connector C5/E, pin #27, *pink*/*white*).

FTI-CDP1 - Installation and Configuration Notes

A Required CAN connections.

B Not Required.

C Hood pin connection (if required).

D Ignition jumper, NO CONNECTION required.

E Ignition connection.

• FT-DAS Required for manual transmission.
• BOTH Red & Red/White MUST be connected with high current application.

Jumper Setting

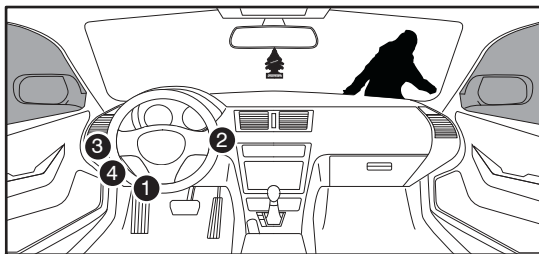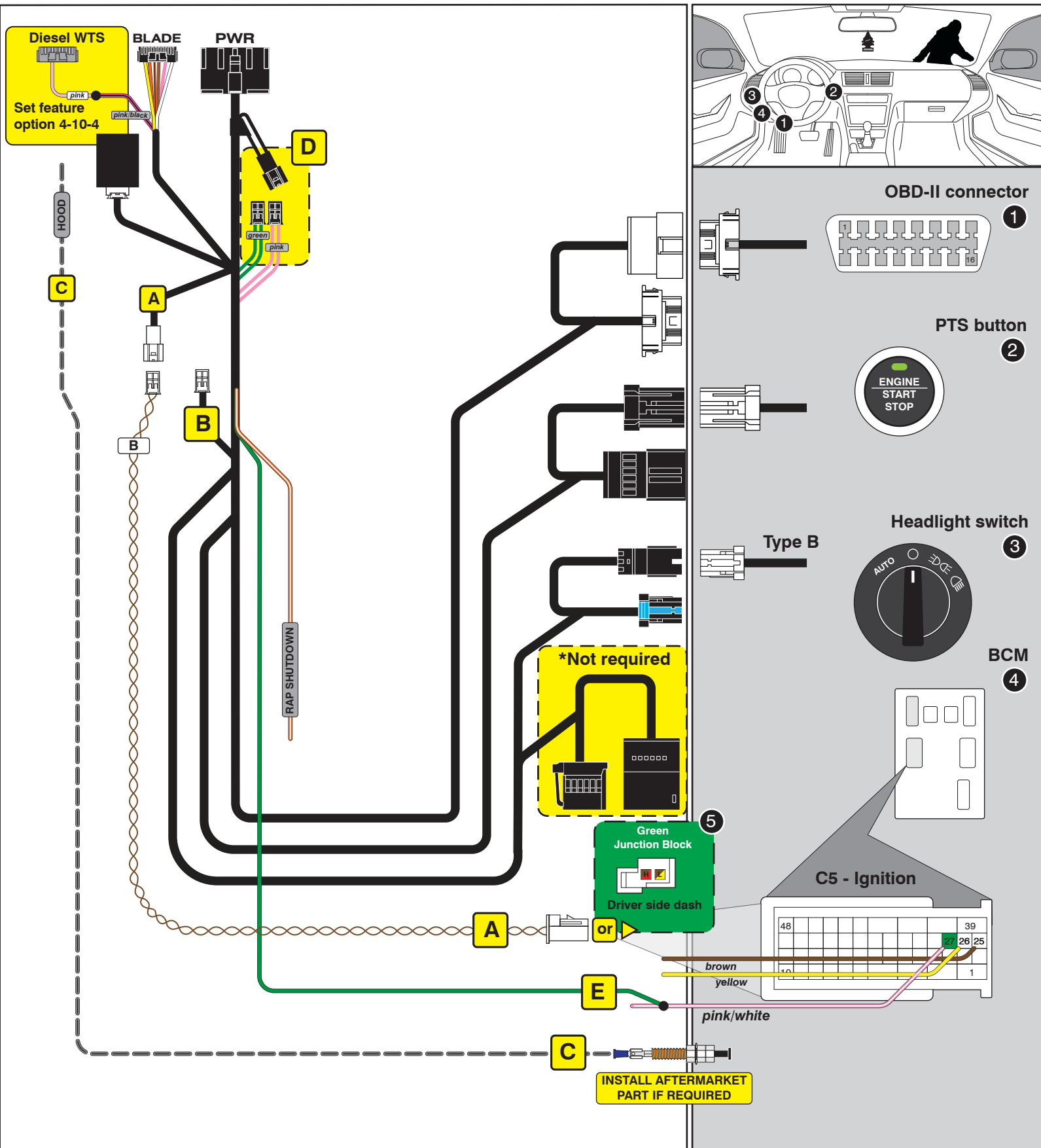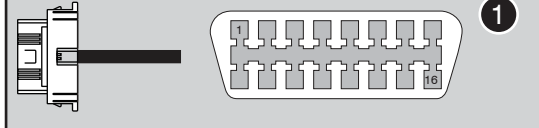|	
Parking Light	(+)Door Trigger In
Accessory	(–)Door Trigger In [Default]
Ignition [Default]	
Trunk	Starter
Starter	Ignition
Parking Light [Default]	Accessory [Default]

CM7000/7200 | **Cut loop for A/T**

CM-900S/900AS

CM900AS/900S Jumper

START
ACC
IGN1

FEATURE COVERAGE

IMMOBILIZER DATA	PRIORITY UNLOCK	DOOR LOCK	DOOR UNLOCK	ARM OEM ALARM	DISARM OEM ALARM			DOOR STATUS		RAP SHUTDOWN	BRAKE STATUS	E-BRAKE STATUS	TACH OUTPUT		GLOW PLUG STATUS	SECURE TAKEOVER	PARKING LIGHTS	
●	●	●	●	●	●			●		●	●	●	●		●	●	●	

Diesel WTS
pink
Set feature option 4-10-4

BLADE

PWR

pink black

D
green
pink

C

HOOD

A

B

B

RAP SHUTDOWN

Type B

***Not required**

5
Green Junction Block
Driver side dash

A or

C
INSTALL AFTERMARKET PART IF REQUIRED

E

OBD-II connector **1**

PTS button **2**
ENGINE START STOP

Headlight switch **3**
AUTO

BCM **4**

C5 - Ignition

48   39
27 26 25

brown
yellow
10   1

pink/white

LED Programming Error Codes
Module LED flashing RED during programming

1x - CAN Error, check CAN wiring and voltages
2x - Key code not learned, confirm unlock sent, check CAN
3x - No PTS signal, check button connection
4x - No immobilizer data, check wiring
4x - No immobilizer, confirm only one key in vehicle
5x - No ignition, check wiring
6x - VIN error, check CAN wiring, confirm vehicle application
7x - PTS signal error, check button connection
8x - No PTS signal, check button connection

COM-BLADE-AL(DL)-CH7-EN | Doc. No.: ##72396## 20201117
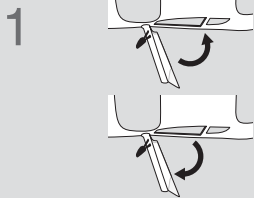
CARTRIDGE INSTALLATION
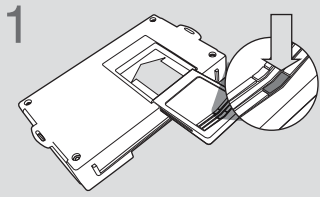
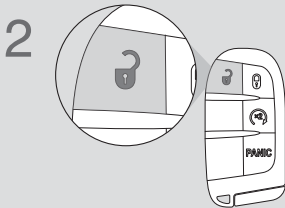**1** Slide cartridge into unit. Notice button under LED.

2 Ready for Module Programming Procedure.

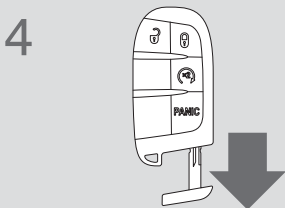## MODULE PROGRAMMING PROCEDURE - WITH KLON - 1 OF 2

1 Close driver door.
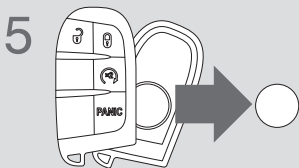
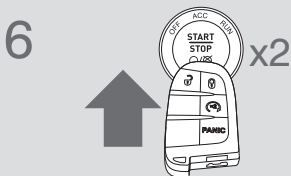Re-open driver door to wake up data bus.

2 Press UNLOCK on keyfob 1.

3 x1 Wait, LED will flash BLUE once [1x].

4 Remove valet key from keyfob 1.

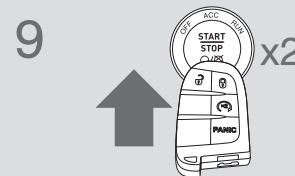**5** Remove batteries from keyfob 1.

6 x2 Push start button twice [2x] with keyfob 1 to ON position. (No battery)
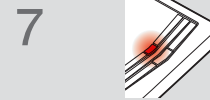
7 Wait, LED will turn solid RED.
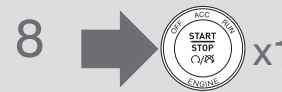
8 x1 Push start button once [1x] to OFF position.
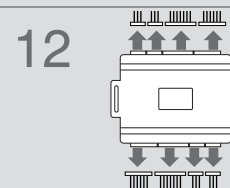
9 x2 Push start button twice [2x] with keyfob 1 to ON position. (No battery)

10 Wait, if LED flashes BLUE rapidly, proceed to step 11. If LED turns solid RED, repeat steps 8 to 10.

11 x1 Push start button once [1x] to OFF position.

12 Disconnect all connectors from remote starter except the power connector.
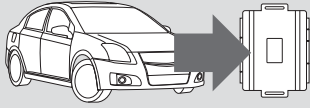
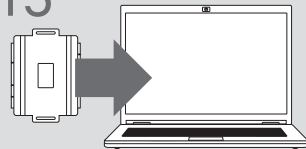**13** Disconnect the power connector.

IMPORTANT: READ NEXT PAGE !
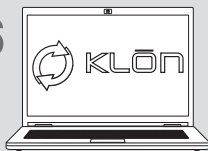
MODULE PROGRAMMING PROCEDURE - WITH KLON - 2 OF 2

14 Remove remote starter from vehicle.
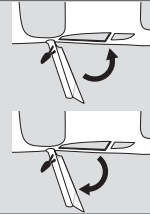
15 Connect remote starter to computer.
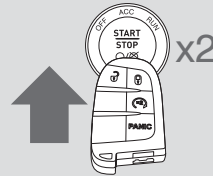
16 Proceed with extended programming.
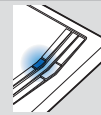
17 Connect remote starter to vehicle.

18 Close driver door.

Re-open driver door to wake up data bus.

19 x2 Push start button twice [2x] with keyfob 1 to ON position. (No battery)
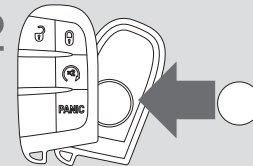
20 Wait, LED will turn solid BLUE for 2 seconds.

21 x1 Push start button once [1x] to OFF position. Module Programming Procedure completed.

22 Insert battery in keyfob 1.

WARNING: READ BEFORE REMOTE STARTING THE VEHICLE

IMPORTANT

l   All OEM keyfobs must be at least 10 feet away from the vehicle. All vehicle doors must be closed and locked prior to remote start sequence. Failure to comply will result in remote starter malfunction.

TAKE OVER PROCEDURE - TO THE VEHICLE OWNER

NOTE

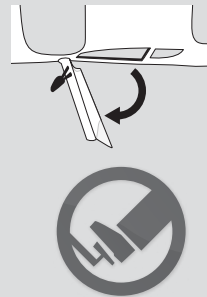l   All vehicle doors must be closed and locked prior to remote start sequence.

TIME RESTRICTION COMING UP !

1 Press UNLOCK on after-market remote.

2 TIME RESTRICTION
Within 45 SECONDS from previous step:

Open vehicle door.
Enter vehicle.
Close vehicle door.

Press and release BRAKE pedal.

3 Take over procedure completed.

! Failure to follow procedure within time restriction will result in vehicle engine shutdown.